| Inde | x of | Claims |  |
|------|------|--------|--|
|      |      |        |  |

| Application No. | Applicant(s)    |  |
|-----------------|-----------------|--|
| 10/623,125      | CORCORAN ET AL. |  |
| Examiner        | Art Unit        |  |
| Ghassem Alie    | 3724            |  |

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |  |
|---|--------------|--|
| ı | Interference |  |

| A | Appeal   |
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| o | Objected |

|                 | Claim Date |           |              |                 |          | 1000            | Claim Date       |          |          |              |  |          |          |          | 11111    | CI.    | aim | Date           |          |        |          |          |          |          |          |           |          |               |        |
|-----------------|------------|-----------|--------------|-----------------|----------|-----------------|------------------|----------|----------|--------------|--|----------|----------|----------|----------|--------|-----|----------------|----------|--------|----------|----------|----------|----------|----------|-----------|----------|---------------|--------|
| _   _           |            |           |              |                 |          |                 |                  |          |          |              |  | 1        |          |          |          |        | Ī   | Ī              | T        | $\top$ | T        |          |          |          |          |           |          |               |        |
| Final           | Original   |           |              |                 |          |                 |                  |          |          |              | Final  | Original |          |          |          |        |     |                |          |        | Final    | Original |          |          |          |           |          |               |        |
| <b></b>         | 1          | <u> -</u> | Н            | ┉               | -        |                 | _                | +        |          | -            |  | 51       | -        |          | -+       | +      | +   | +              | +        | 1 1    |          | 101      |          | +        |          |           | +        | -             |        |
|                 | 2          |           | -            |                 |          |                 | +                | +        | +        | 1            |  | 52       |          | -        | +        | +      | +   | <del>   </del> | +        | 1      |          | 102      |          | +        |          | 1         | $\dashv$ | +             | +      |
|                 | 3          | ÷         |              | -               | -        | -               | _                | $\dashv$ | +-       | 1            |  | 53       | Н        |          |          | +      | +   | 1 1            | +        | 1      |          | 103      |          | 1        | $\Box$   |           | $\dashv$ | +             | +      |
|                 | 4          | •         | H            |                 | -        | -               | _                | +        | 1        | 1            |  | 54       |          |          | $\dashv$ | +      | t   | $\Box$         | +        | 1:::1  |          | 104      | -        | 1        |          |           | $\dashv$ | _             | +      |
| $\vdash$        | 5          | -         | Н            | ┪               |          | -               | -+               | +-       | +        | 1            |  | 55       | Н        | -        | $\dashv$ | +      | +   | H              | _        |        |          | 105      |          | -        |          |           | _        |               |        |
|                 | 6          | •         | $\vdash$     | $\dashv$        | $\dashv$ | $\dashv$        |                  |          | +        | 1            |  | 56       | H        |          |          | +-     | +-  | +              | +        | 1:::1  |          | 106      | $\dashv$ | +        |          | _         | $\dashv$ |               | +      |
|                 | 7          | ÷         | H            | 寸               | -        | $\rightarrow$   | -+               |          | +        | 1::::        |  | 57       | Н        | $\dashv$ |          | - -    | +-  | $\vdash$       | _        | 1      |          | 107      | $\dashv$ | $\vdash$ |          | _         | _        | +             | +      |
|                 | 8          | ÷         | $\vdash$     | $\dashv$        | $\dashv$ | $\dashv$        | -+               |          | +        |              |  | 58       | Н        |          | -        | +      | +   | 1 1            |          |        |          | 108      | -        | 1        |          |           | -        | _             |        |
|                 | a          |           |              | $\dashv$        | $\dashv$ | -1              |                  | -        | +        |              |  | 59       | Н        |          |          | +      | +   | $\vdash$       | _        | 1      |          | 109      |          | 1        |          |           | 十        |               |        |
|                 | 10         | <u> </u>  |              |                 |          | -               | -+-              | -        | +        | 1            |  | 60       |          |          | -        | +      | +   | $\vdash$       | +        | 1      |          | 110      |          | †        | Н        |           | +        | +             | +      |
|                 | 11         | 7         |              | _               | $\dashv$ |                 | -+               | +        | +        | 1            |  | 61       |          |          | $\dashv$ | $^{+}$ | T   | 1              | _        | 1      |          | 111      | $\dashv$ | 1        | Н        |           | $\dashv$ | $\top$        | +      |
| -               | 12         | $\vdash$  |              | -               | $\dashv$ | -               | -+               | +        | +        | 1            |  | 62       | -        | -        | $\dashv$ | +      | +   | + +            | +        | 1      |          | 112      | $\dashv$ | +        | Н        | $\dashv$  | $\dashv$ | +             | +      |
| $\vdash$        | 13         | -         |              | $\dashv$        |          | $\vdash$        |                  | +        | +        | 1            |  | 63       | $\vdash$ |          | $\dashv$ | +      | +   | +              | +        | 1:::   |          | 113      | $\dashv$ | +        | Н        |           | $\dashv$ | +             | $\top$ |
| $\vdash\vdash$  | 14         | -         | $\vdash$     | $\dashv$        | $\dashv$ | $\dashv$        |                  | -        | +        | 1            |  | 64       | $\vdash$ |          |          | +      | +   | +              | 1        | 1::::  |          | 114      | $\top$   | +        | Н        | $\neg$    | $\dashv$ | +             | +      |
| $\vdash$        | 15         |           | $\vdash$     | $\dashv$        | $\dashv$ | -               |                  |          | +        | 1            |  | 65       | Н        |          |          | +      | +   | $\vdash$       | _        | 1::::  |          | 115      | $\dashv$ | 1        | Н        |           | +        | $\rightarrow$ | +      |
|                 | 16         | ┝         | $\vdash$     | $\dashv$        | $\dashv$ | -               |                  | -        | +        | 1            |  | 66       | $\vdash$ |          | $\dashv$ | +      | +   | +              |          | 1      |          | 116      | _        | 1        | Н        | $\dashv$  | 十        | -             | +-     |
| $\vdash$        | 17         | $\vdash$  | $\vdash$     | $\dashv$        | $\dashv$ | -               | -+               | -        | +        | -            |  | 67       |          |          | -+       | +      | -   | +              | _        | 1::::  |          | 117      |          | 1        | Н        | $\dashv$  | 十        |               |        |
| <b></b> -       | 18         | $\vdash$  | $\vdash$     | -               |          |                 |                  | -        | +        | 1            |  | 68       | Н        |          | $\dashv$ | +      | +   | +-+            |          |        |          | 118      | -        | ╁~~      | H        | -         | -+       | +             | +      |
|                 | 19         | ⊢         |              |                 | $\dashv$ |                 | $\dashv$         | $\dashv$ | +-       | 1            |  | 69       | H        |          | +        | 十      | ╅╌  | +              | +        |        |          | 119      | -        | ╁        |          | $\dashv$  | $\dashv$ | +             | +      |
|                 | 20         | -         | ├-           | $\dashv$        | $\dashv$ |                 | $\dashv$         | +        |          | -            |  | 70       | Н        |          |          |        | +   | +              | _        |        |          | 120      |          | t        | Н        | $\dashv$  | $\dashv$ | +             | +-     |
| $\vdash$        | 21         | ├         |              | $\dashv$        | $\dashv$ |                 | $\dashv$         |          | +        | 1            | $\vdash$   | 71       | Н        | $\dashv$ |          | +      | +   | $\vdash$       | _        |        |          | 121      | $\dashv$ | †        | Н        | $\dashv$  | 十        | +             | +-     |
| $\vdash$        | 22         |           | -            | -               | $\dashv$ |                 | $\dashv$         | +        | +-       | 1            |  | 72       | Н        | $\dashv$ | -        | +      | +   | +              | _        | -      |          | 122      | -        | +        | Н        | $\dashv$  | $\dashv$ | $\dashv$      | -      |
|                 | 23         | $\vdash$  | -            |                 |          |                 | $\dashv$         | +        | +-       |              |  | 73       | H        |          | $\dashv$ | +-     | +   | +              | +        | 1      |          | 123      | -        | +        | Н        | $\dashv$  | 7        | +             |        |
|                 | 24         |           | H            |                 |          |                 | +                | -        | -        |              |  | 74       | Н        | $\dashv$ | $\dashv$ | +-     | +   | +              | +        |        |          | 124      | _        | +        | H        | $\dashv$  | $\dashv$ | $\dashv$      | +-     |
| $\vdash$        | 25         | $\vdash$  | $\vdash$     |                 |          |                 | +                | +        | 1-       | 1            |  | 75       |          |          | $\dashv$ | +      | +-  | 1              | +        | 1      |          | 125      | -        | +        | Н        | $\exists$ | +        | $\dashv$      |        |
| $\vdash$        | 26         | $\vdash$  | $\vdash$     | -               |          |                 |                  | -        | +        | -            |  | 76       | H        |          | $\dashv$ | +-     | +-  | $\vdash$       | +        | 1      |          | 126      |          | +        | Н        | $\exists$ | $\dashv$ | +             | +-     |
| -               | 27         |           | $\vdash$     |                 |          |                 | -                | +        | +-       | -            |  | 77       | H        | $\dashv$ | -        |        | +   | 1 1            | +        | 1      |          | 127      | +        | +        |          |           | $\dashv$ | +             |        |
|                 | 28         | ├-        |              |                 | $\dashv$ | $\dashv$        | -                | +        |          | 1            |  | 78       | H        | $\dashv$ |          | ╅      | +   | + +            | +        | 1::::  |          | 128      | +        | +        | H        | $\dashv$  | 十        |               |        |
|                 | 29         | -         | <del> </del> |                 | -        |                 |                  |          |          |              |  | 79       | $\vdash$ | $\dashv$ |          | ╅      | +   | $\vdash$       | +        | 1      |          | 129      | +        | +        | H        | $\dashv$  | +        | +             |        |
|                 | 30         |           | -            |                 | -        | $\dashv$        | <del>-  </del> - | $\dashv$ | +-       | -            |  | 80       |          | -        | -+       | ╁      | +   | + +            | $\dashv$ | 1::::  |          | 130      | +        | +        | Н        |           | -        |               | +      |
| $\vdash$        | 31         |           | $\vdash$     |                 | -        |                 | <del></del>      |          |          | -            |  | 81       | -        |          | $\dashv$ | +      | +   | + +            | +        | 1      |          | 131      | +        | +        | H        | -         | -+       | -             | -      |
|                 | 32         | -         |              |                 | _        |                 | $\dashv$         | -+-      |          | -            |  | 82       | $\vdash$ |          | $\dashv$ | +      | +   | + +            | +        | 1:::   |          | 132      | +        | +        | H        | $\dashv$  | -+       | -             | +      |
|                 | 33         | -         |              |                 | _        | $\dashv$        |                  | -        | +-       | -            |  | 83       | -        |          | -        | +      | +   | ╁╌╂            |          | 1::::  |          | 133      | +        | +        | Н        |           | -+       | +             | +      |
| $\vdash$        | 34         | $\vdash$  | $\vdash$     |                 | $\dashv$ | $\vdash$        | -+               | +        | +        | 1            | -  | 84       |          | Н        | $\dashv$ | +      | +   | ++             |          | 1      |          | 134      | +        | +        | Н        |           | $\dashv$ | +             | +      |
|                 | 35         | $\vdash$  | H            |                 |          | $\vdash$        |                  | +        | +        | 1            | <del></del>                                      | 85       | -        | Н        | $\dashv$ | +      | +   | + -            |          | 1      |          | 135      | +        | +        | $\vdash$ | $\dashv$  | $\dashv$ | +             | +      |
| <b> </b>        | 36         | $\vdash$  | H            |                 |          | $\vdash$        | -+               | +        | +        | 1            | _  | 86       | -        | Н        | $\dashv$ | +      | +   | ┼ ┤            | +        | 1      |          | 136      | $\dashv$ | +        | $\vdash$ | $\vdash$  | $\dashv$ | +             | +      |
|                 | 37         | $\vdash$  | $\vdash$     | $\dashv$        |          | $\vdash$        |                  | +        | +        | 1:::         | <del>                                     </del> | 87       |          | H        | $\dashv$ | +      | +   | ╅┈┽            |          | l:::i  |          | 137      | $\dashv$ | +-       | H        | -         | $\dashv$ | +             | +      |
| $\vdash$        | 38         |           | $\vdash$     | $\dashv$        |          | $\vdash \dashv$ | -+               | +        | +        | 1            | $\vdash$   | 88       | $\vdash$ | H        | -+       | +      | +-  | +-+            | +        | 1      |          | 138      |          | +-       | $\vdash$ | $\vdash$  | $\dashv$ | +             | +-     |
| <u> </u>        | 39         | $\vdash$  | $\vdash$     | $\vdash$        | $\vdash$ | $\vdash \dashv$ | +                | +        | +        | 1            | <del> </del>                                     | 89       | $\vdash$ | Н        | $\dashv$ | +      | +   | +              | +        | 1      |          | 139      |          | +        | H        | $\vdash$  | +        | +             | +      |
| $\vdash$        | 40         |           | 1            | $\vdash$        |          |                 | +                | +        | +        | -            | <u> </u>   | 90       | $\vdash$ | Н        | $\dashv$ | +      | +-  | + +            | +        | 1::::  |          | 140      |          | +        | H        | $\vdash$  | $\dashv$ | +             | -      |
| $\vdash$        | 41         |           | $\vdash$     | $\vdash$        | $\vdash$ | $\vdash\dashv$  | +                | +        | ╅        | <b>-</b>  ∷  | <b></b>  | 91       | Н        | H        | +        | +-     | +-  | + +            | +        | 1      |          | 141      | -        | +        | H        | $\vdash$  | $\dashv$ | +             | -      |
| $\vdash$        | 42         | $\vdash$  | $\vdash$     | $\vdash$        |          | $\vdash\dashv$  | +                | +        | $\dashv$ | -            | <del> </del>                                     | 92       | $\vdash$ | H        | -+       | +-     | ╁   | + +            | +        | 1      |          | 142      | +        | +        | Н        | $\dashv$  | +        | -+-           |        |
|                 | 42         | -         | ╁╾           | $\vdash \vdash$ |          | $\vdash$        | +                | +        | +        | 1            | <b>-</b>   | 93       | Н        | Н        | -        | - -    | +   | 1 1            | +-       | 1      |          | 143      | +        | +        |          |           | $\dashv$ | +             | +      |
| <del></del>     | 44         | -         | $\vdash$     | $\vdash$        |          | Н               | +                | +        | +        | <b>∤∷</b> ः  | $\vdash$   | 94       |          | Н        | $\dashv$ | +      | +   | +              | +        | 1      |          | 144      | +        | +        |          | $\vdash$  | $\dashv$ | +             | +      |
| $\vdash \vdash$ | 45         | H         | 1            | Н               |          | $\vdash \vdash$ |                  | +        | +        | ┨            |  | 95       | $\vdash$ | H        | $\dashv$ | +      | ╁╌  | + +            | $\dashv$ | 1      |          | 145      | $\dashv$ | +        | $\vdash$ | $\vdash$  | $\dashv$ | +             | +      |
| $\vdash$        | 46         | $\vdash$  | ╁            | $\vdash$        |          | $\vdash$        | -                | +        | +-       | 1            | $\vdash$   | 96       | H        | H        | -        | - -    | +   | 1              | +-       | 1:::   |          | 146      | $\dashv$ | +        |          | $\vdash$  | -+       | $\dashv$      |        |
| <del> </del>    | 47         | $\vdash$  | $\vdash$     | Н               | $\vdash$ | $\vdash$        | -+               | +        | +        | 1            | $\vdash$   | 97       | -        | $\vdash$ | -+       | +      | +   | + +            | $\dashv$ | 1 :    | L        | 147      |          | +        |          | $\vdash$  | $\dashv$ | +             | +      |
| <del> </del>    | 48         | $\vdash$  | $\vdash$     | Н               |          | Н               | +                | +        | +        | 1            | <del> </del>                                     | 98       | $\vdash$ | H        | +        | +      | +   | + +            | -   -    | 1      |          | 148      | +        | +        |          | $\vdash$  | $\dashv$ | +             | +      |
| <del> </del>    | 49         | $\vdash$  | ╁╾           | $\vdash \vdash$ |          | H               | $\dashv$         | +        | +-       | -            | <del> </del>                                     | 99       | $\vdash$ | $\vdash$ | $\dashv$ | +      | +   | 1 -1           | -        | 1      |          | 149      | +        | +        | $\vdash$ | $\vdash$  | $\dashv$ | +             | +      |
| . '             | 50         | -         | 1            | Н               | _        | $\vdash$        | -+               |          | +        | <del> </del> | $\vdash$   | 100      | H        | $\vdash$ | +        | ┰      | +-  | 1              | -        | 1:::.  | $\vdash$ | 150      | $\dashv$ |          |          | $\vdash$  | $\dashv$ | +             | +      |